

September 16, 2013

Continue Estrogen Biosensor Testing

- Testing different dilutions of sample

PCR to add suffix, PrefixF and PstSufSTHis primers

Prepared DNA samples for submission

Concentrations:

DNA Sample	Initial Concentration (ng/μl)	DNA (μl)	Water (μl)	Total Volume (μl)	Final Concentration (ng/μl)
KR1	92.9	2.691065662	7.308934338	10	25
KRCO1	67.4	3.709198813	6.290801187	10	25
SNCO1	73	3.424657534	6.575342466	10	25
WT T7RNAP ERint	890.4	1.40312863432	48.59613657	50	25
DEAD T7 RNAP ERint	873.8	1.430533303	48.5694667	50	25
115 RBS T7 RNAP H	738	1.693766938	48.30623306	50	25
115 RBS WT T7 RNAP ERint His	467.6	1.069289991	18.93071001	20	25
115 RBS DEAD RNAP ERint H	491.6	1.017087063	18.98291294	20	25
pSB3K3 T7 promoter RBS RFP	69.8	3.581661891	6.418338109	10	25
94pSB3K3 T7	94.8	2.637130802	7.362869198	10	25

terminator					
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September 18, 2014

Continue testing sensor

- Let cells cool down at 25 °C
- Add estrogen
- Tested sensor at 25 °C instead of 30 °C
- Time points every 30 minutes